

09880070.061401

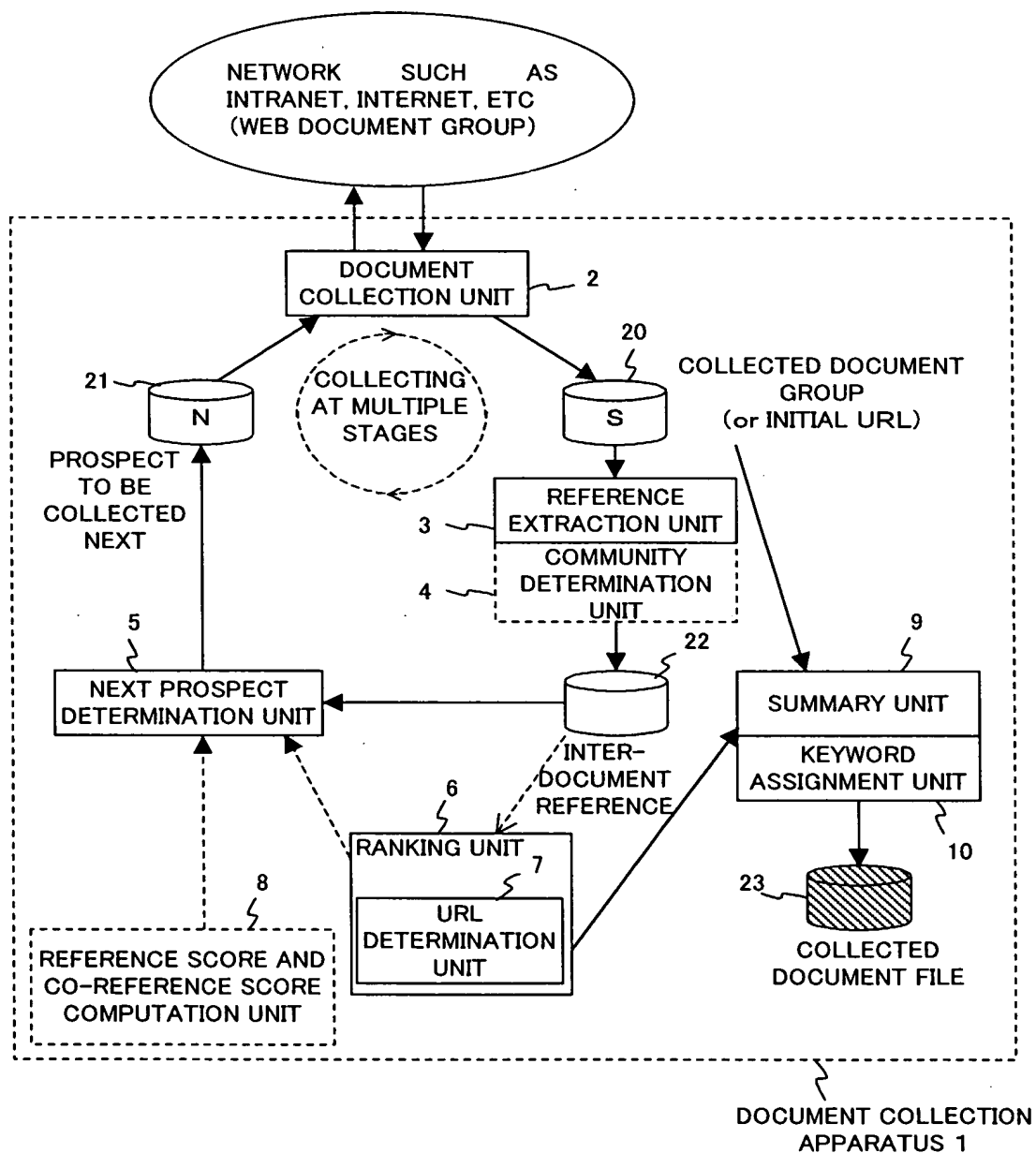


FIG. 1

0980070-051401

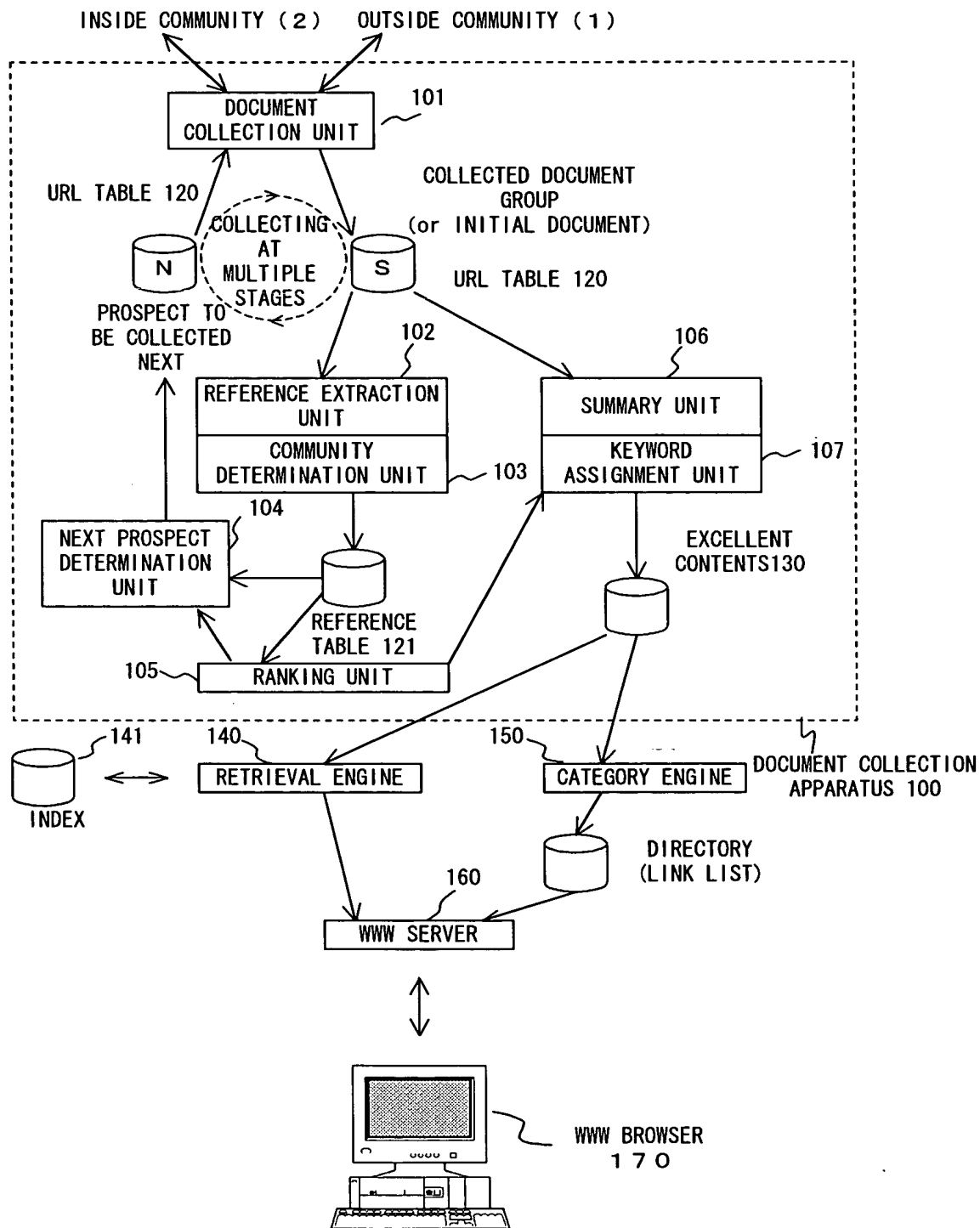


FIG. 2

URL TABLE 120

DOCUMENT ID	URL	ACCUMULATE FLAG	COMMUNITY FLAG	SIGNIFICANCE LEVEL
doc1	http://www.abc.com/	1	1
doc2	http://www.klm.com/	1	0
....

FIG. 3

REFERENCE TABLE 121

REFERRING DOCUMENT ID	REFERENCED DOCUMENT ID, (INSIDE COMMUNITY)	REFERENCED DOCUMENT ID ₂ (OUTSIDE COMMUNITY)
doc 1	doc 2, doc 3, doc 4	doc 5, doc 6, doc 7
doc 2	doc 4, doc 8	doc 9, doc 10
....

FIG. 4

REFERENCING EXPRESSION TABLE 122

EXPRESSION ID (w)	EXPRESSION CHARACTER STRING	FREQUENCY (DF(W))	NECESSITY/ NON-NECESSITY FLAG
r w 1	ABC COMPANY	2 4	1
r w 2	RETURN TO TOP	2 8 3 0 5	0
.....

FIG. 5

TF4TF90"02008860

COLLECTED DOCUMENT FILE 123

EXPRESSION ID (w) DOCUMENT ID (d)	r w 1	r w 2	...	r w j	...	r w m
doc1	1 9	0	
doc2	0	2
...						
doc i	-----	-----	-----	TF(doc i, r w j)		
...						
doc n

FIG. 6

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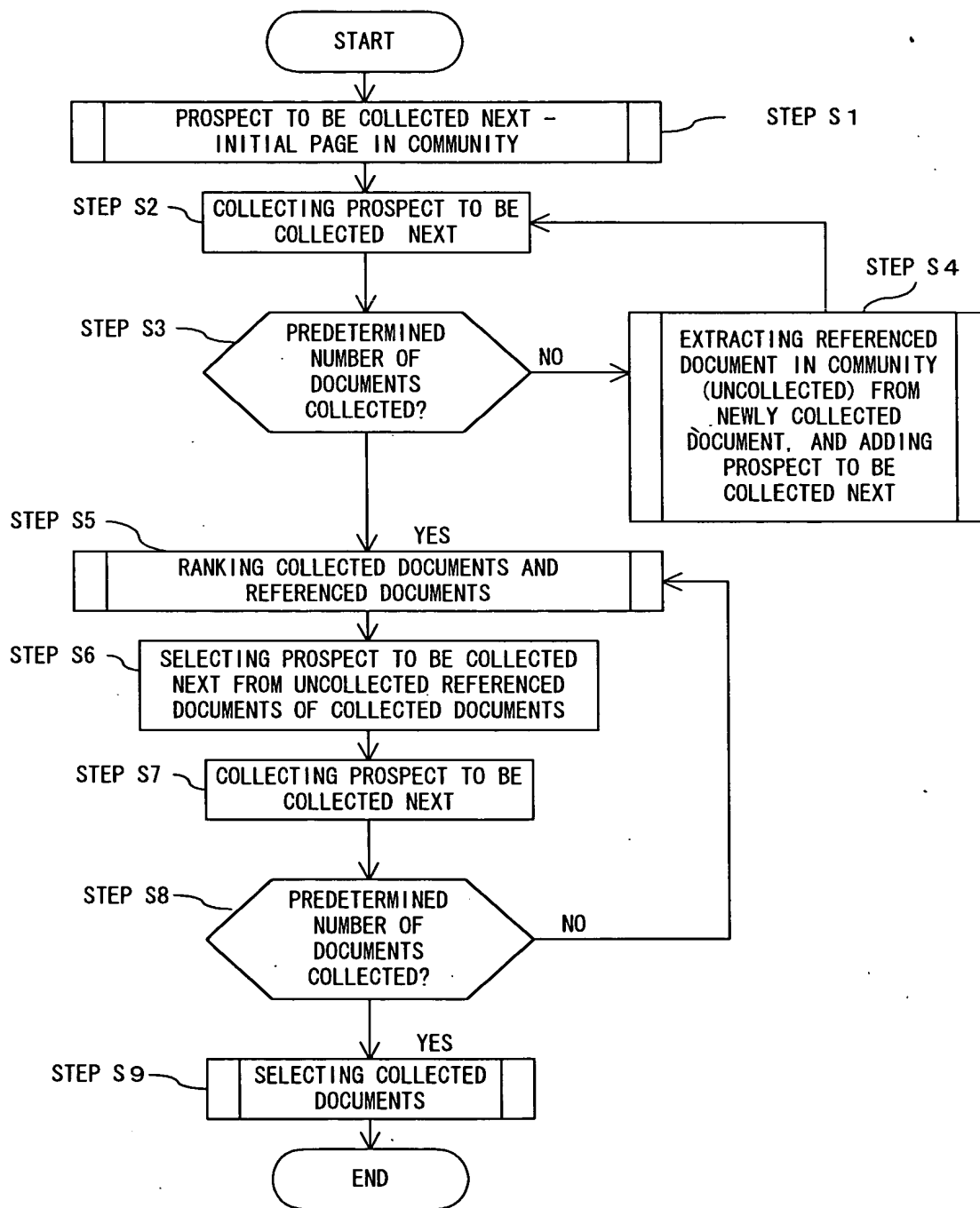


FIG. 7

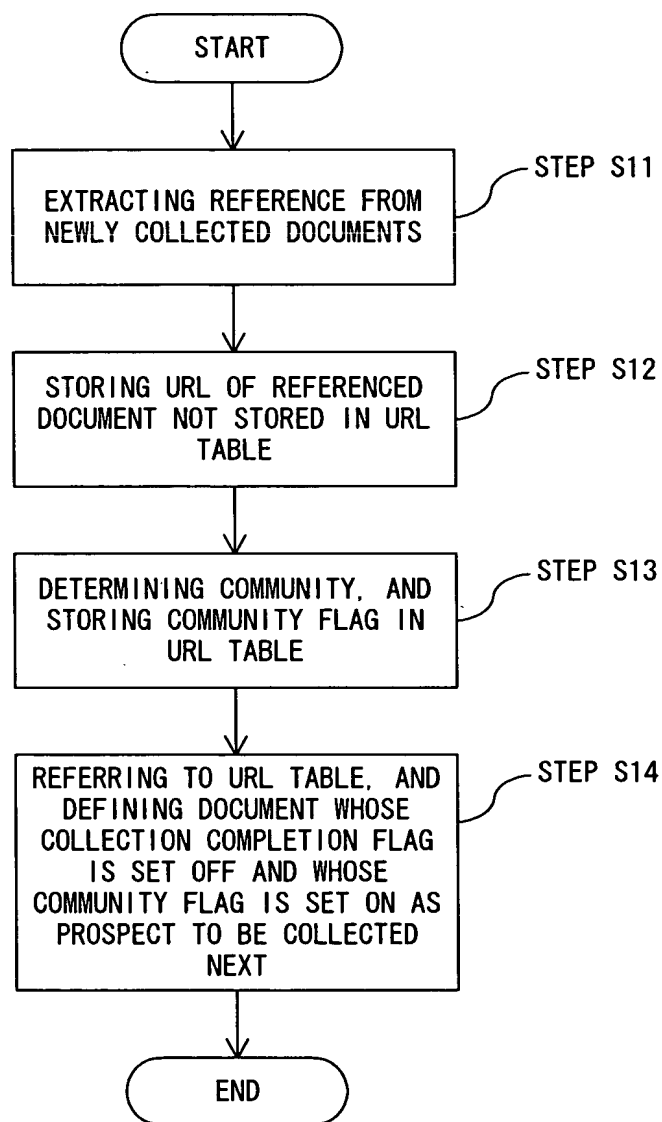


FIG. 8

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T04T90"0208860

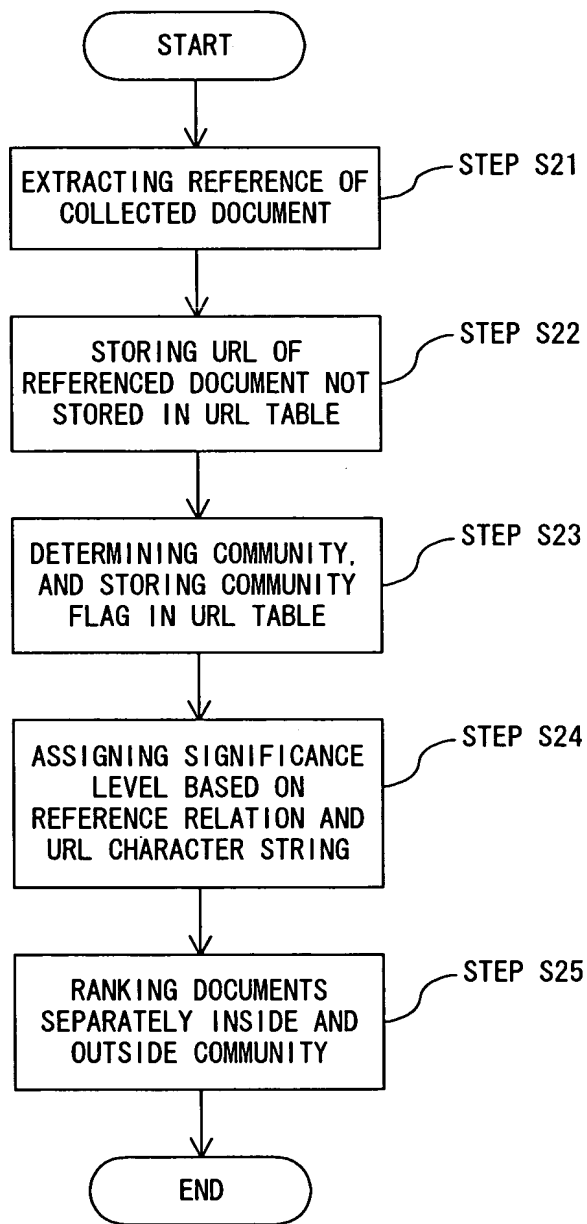


FIG. 9

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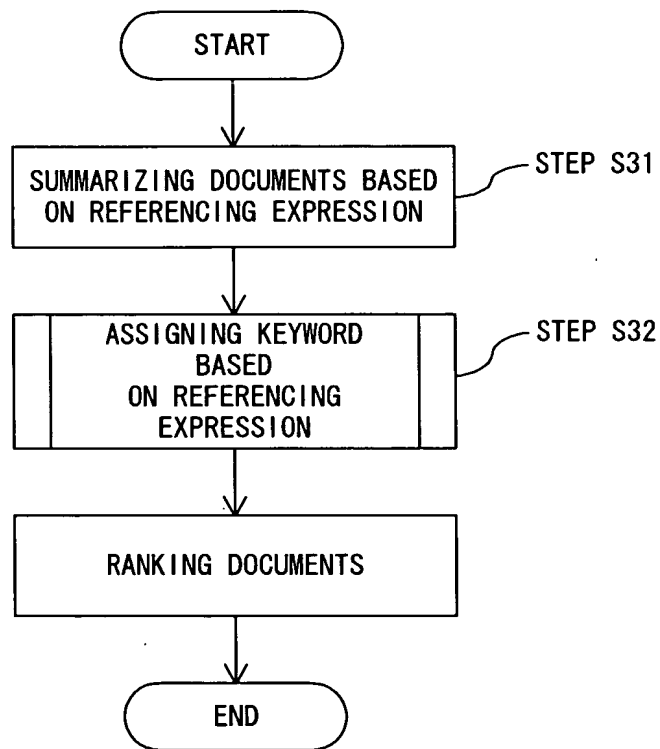


FIG. 10

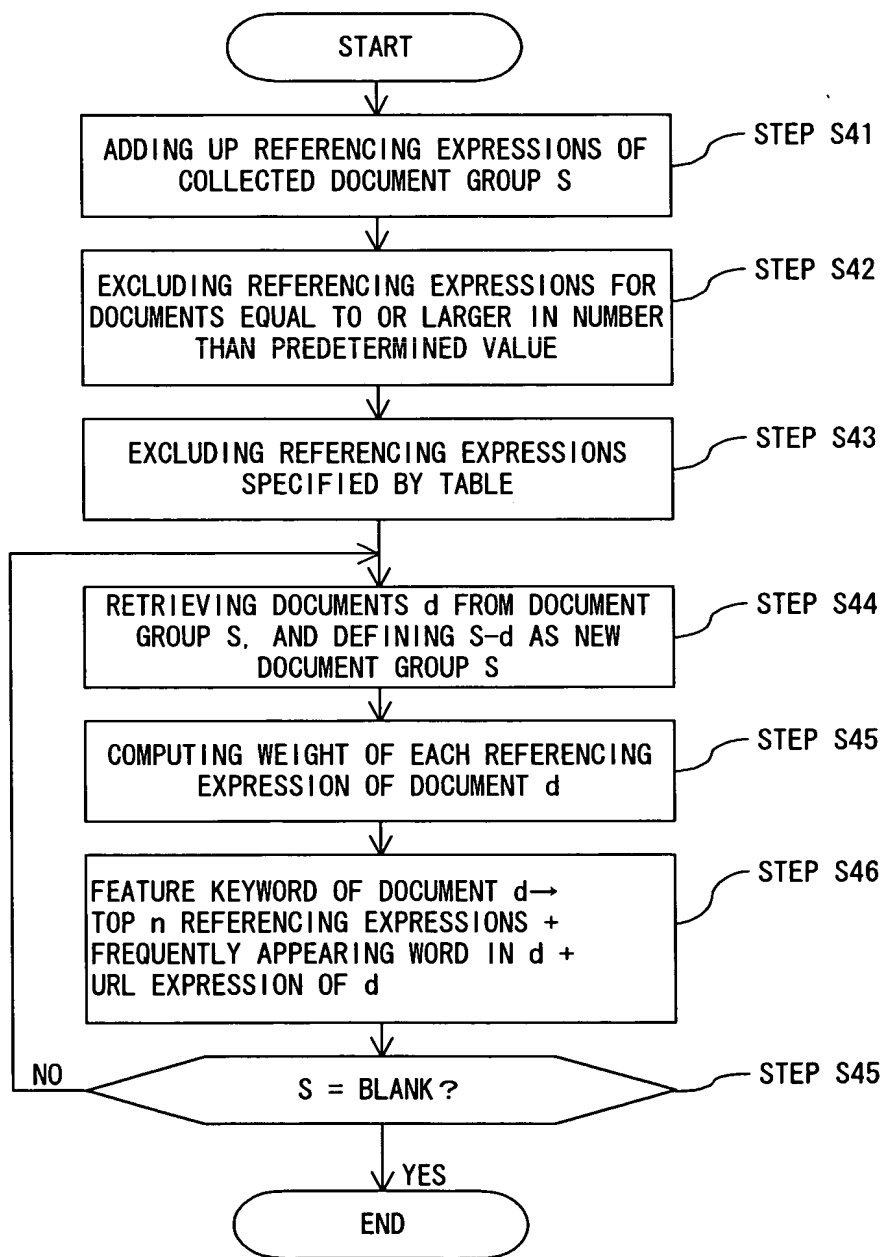
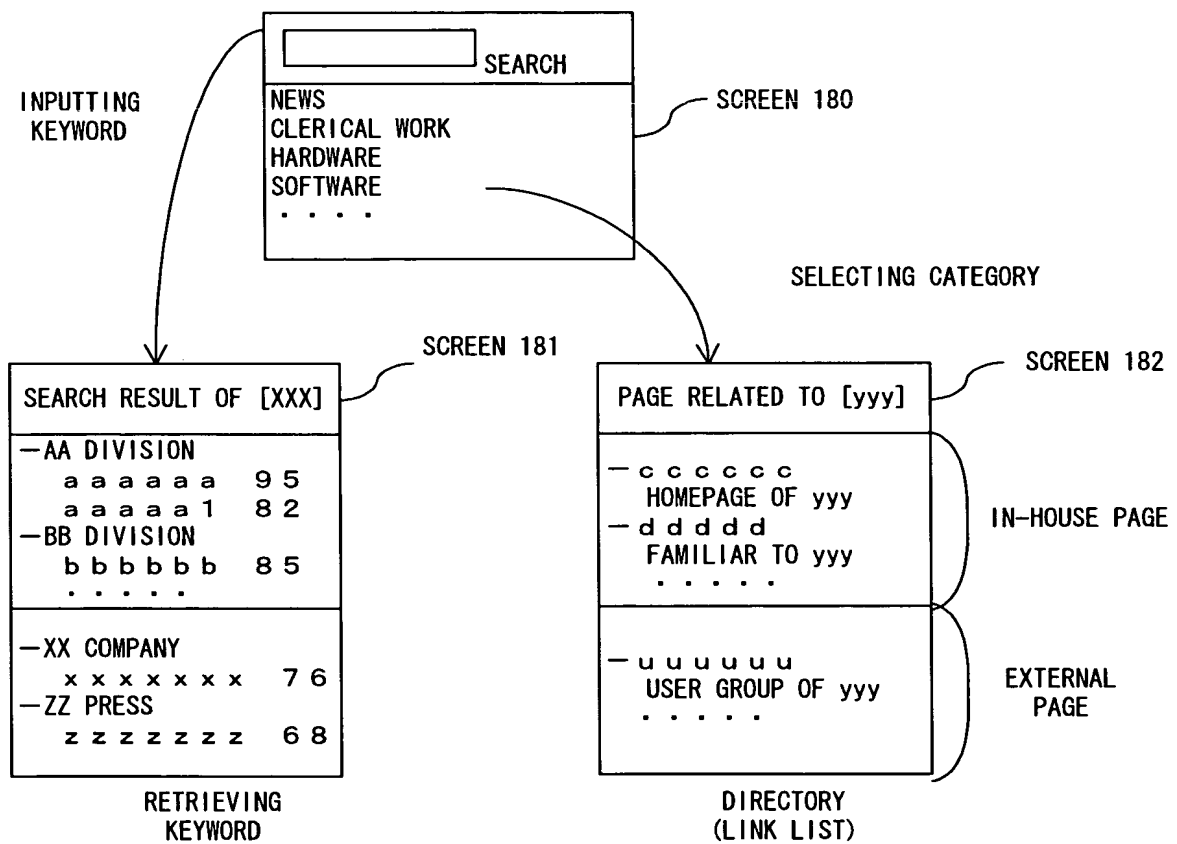


FIG. 11



F I G. 1 2

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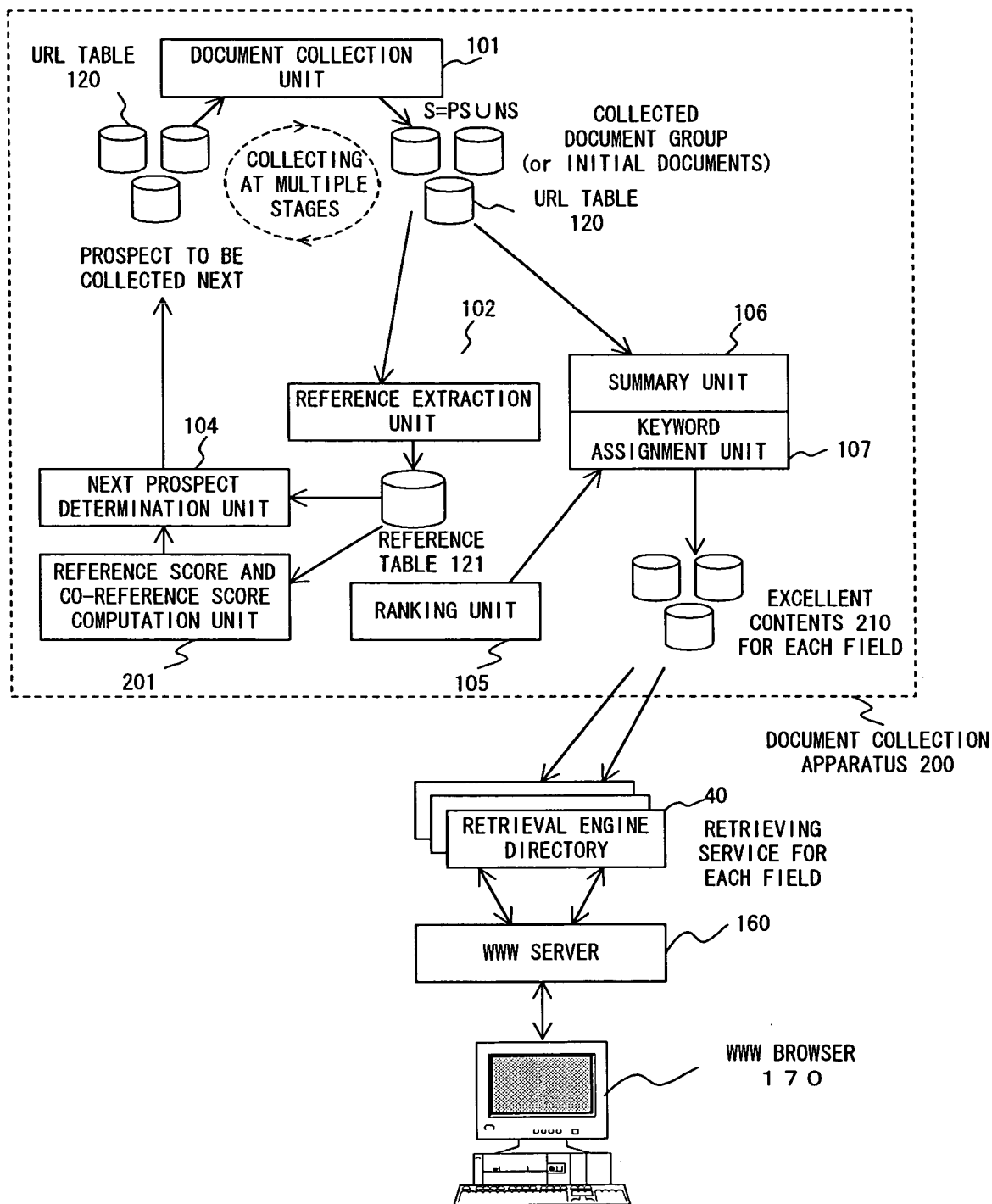


FIG. 13

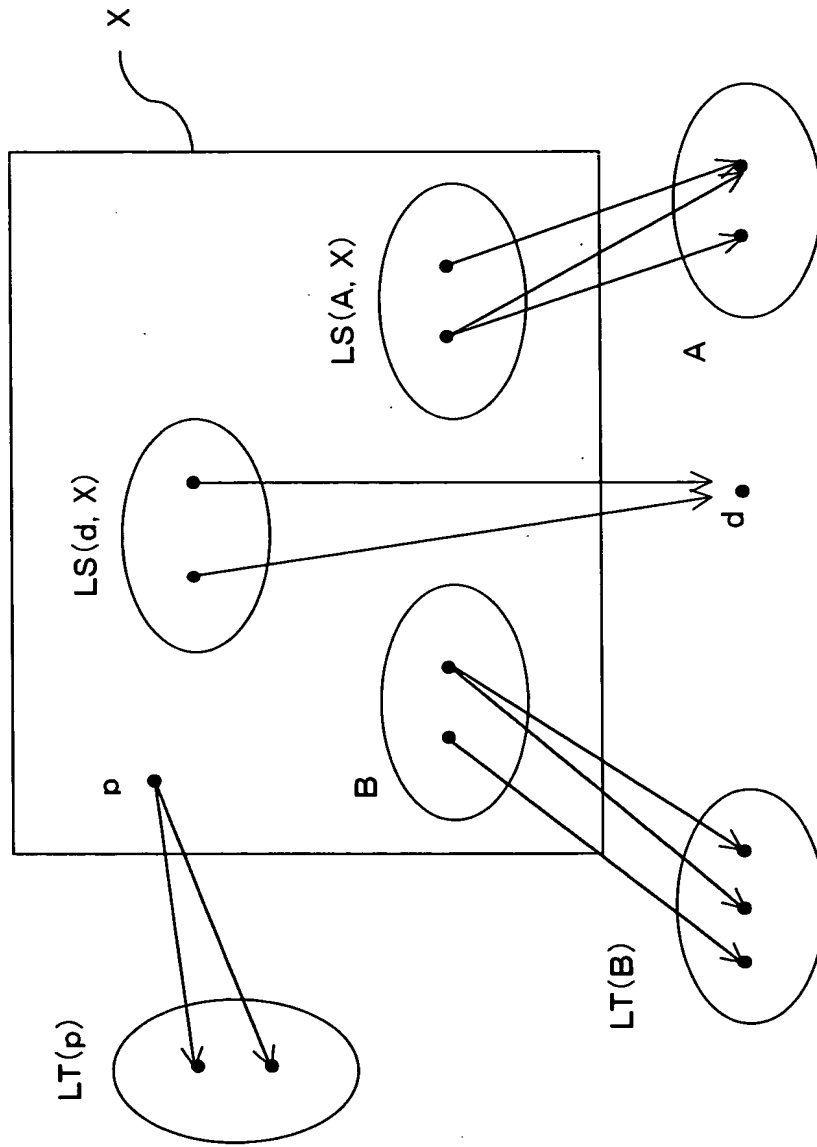


FIG. 14

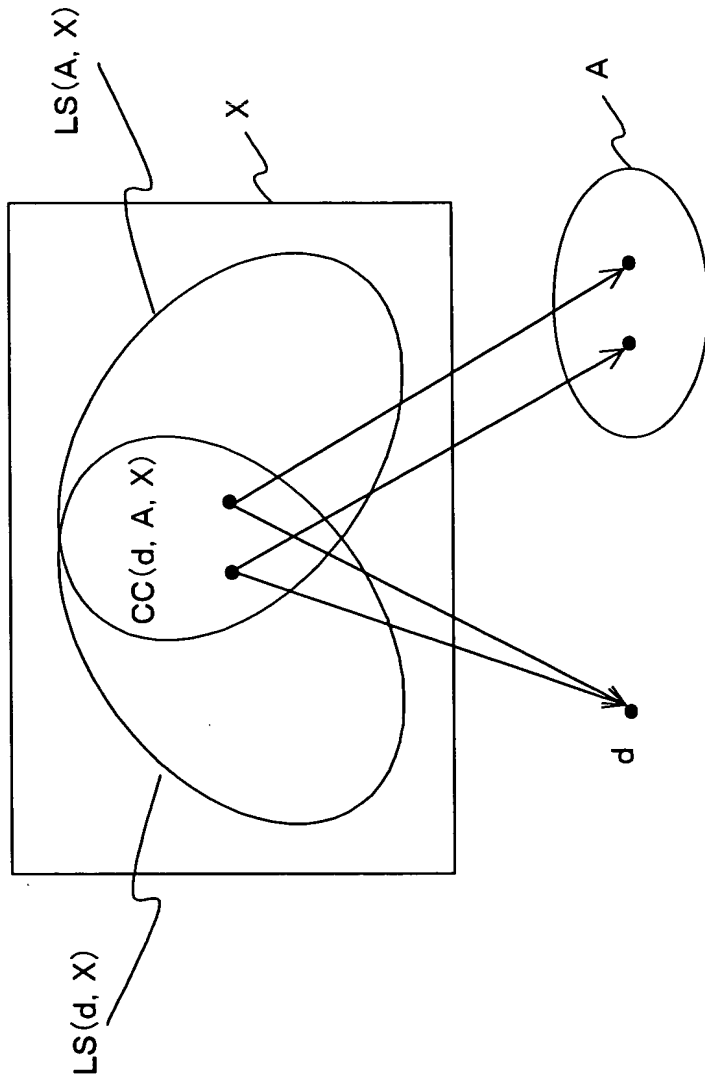


FIG. 15

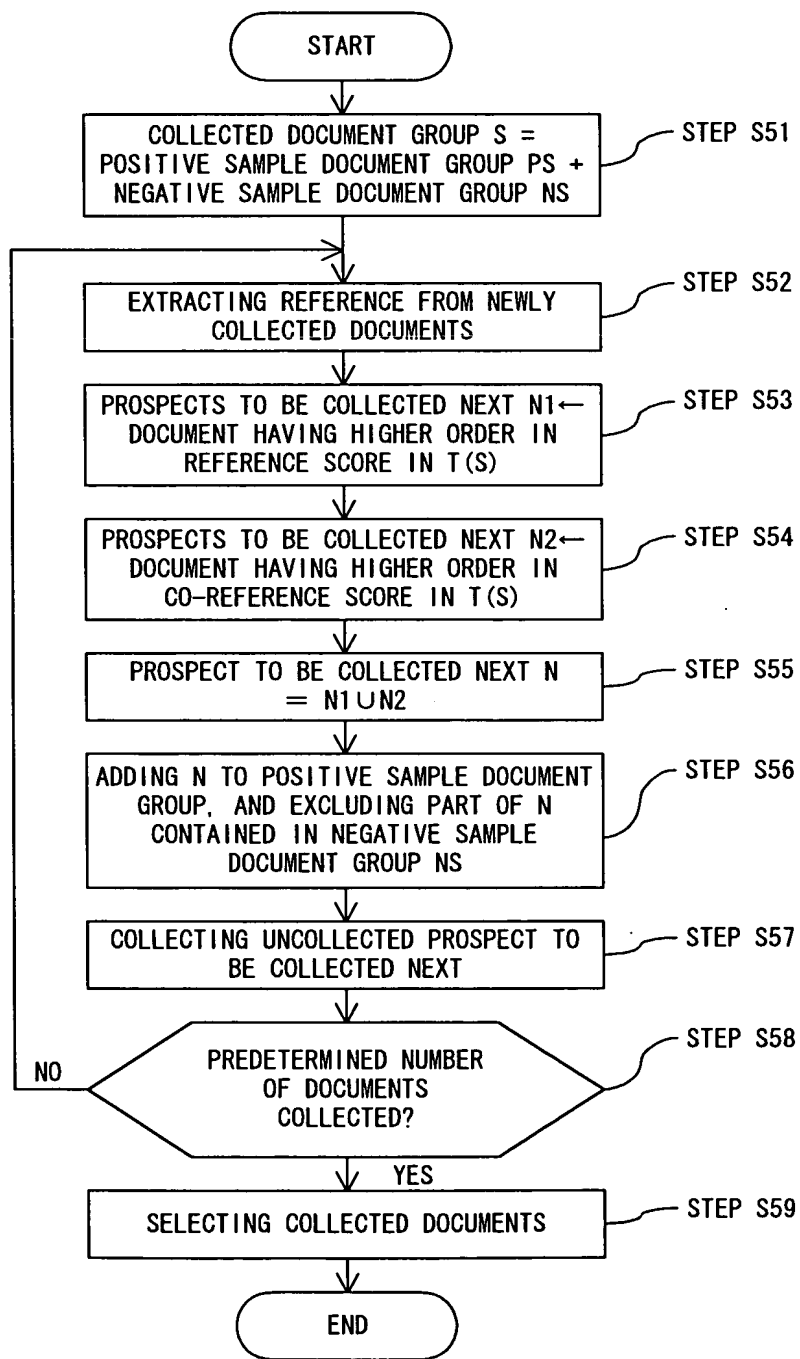


FIG. 16

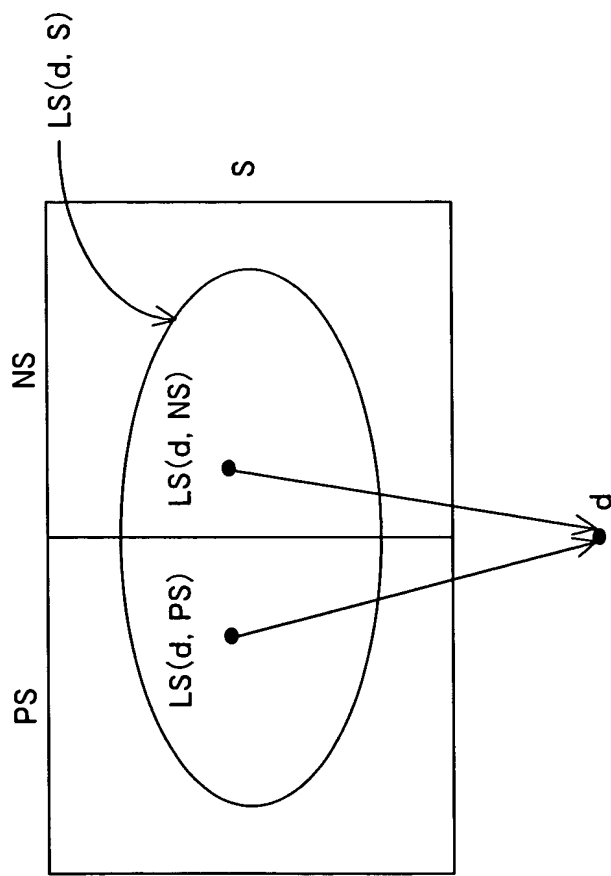


FIG. 17

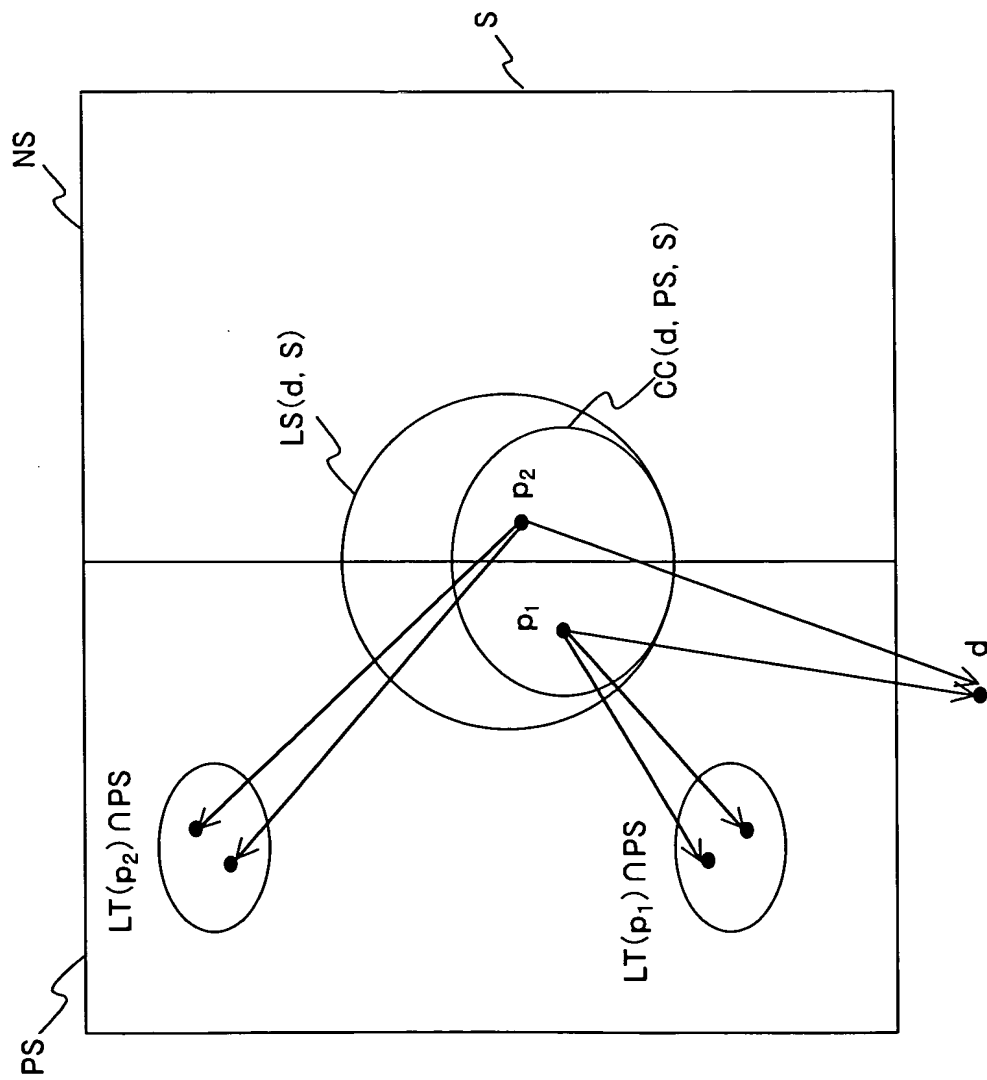


FIG. 18

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T04T90-0208350

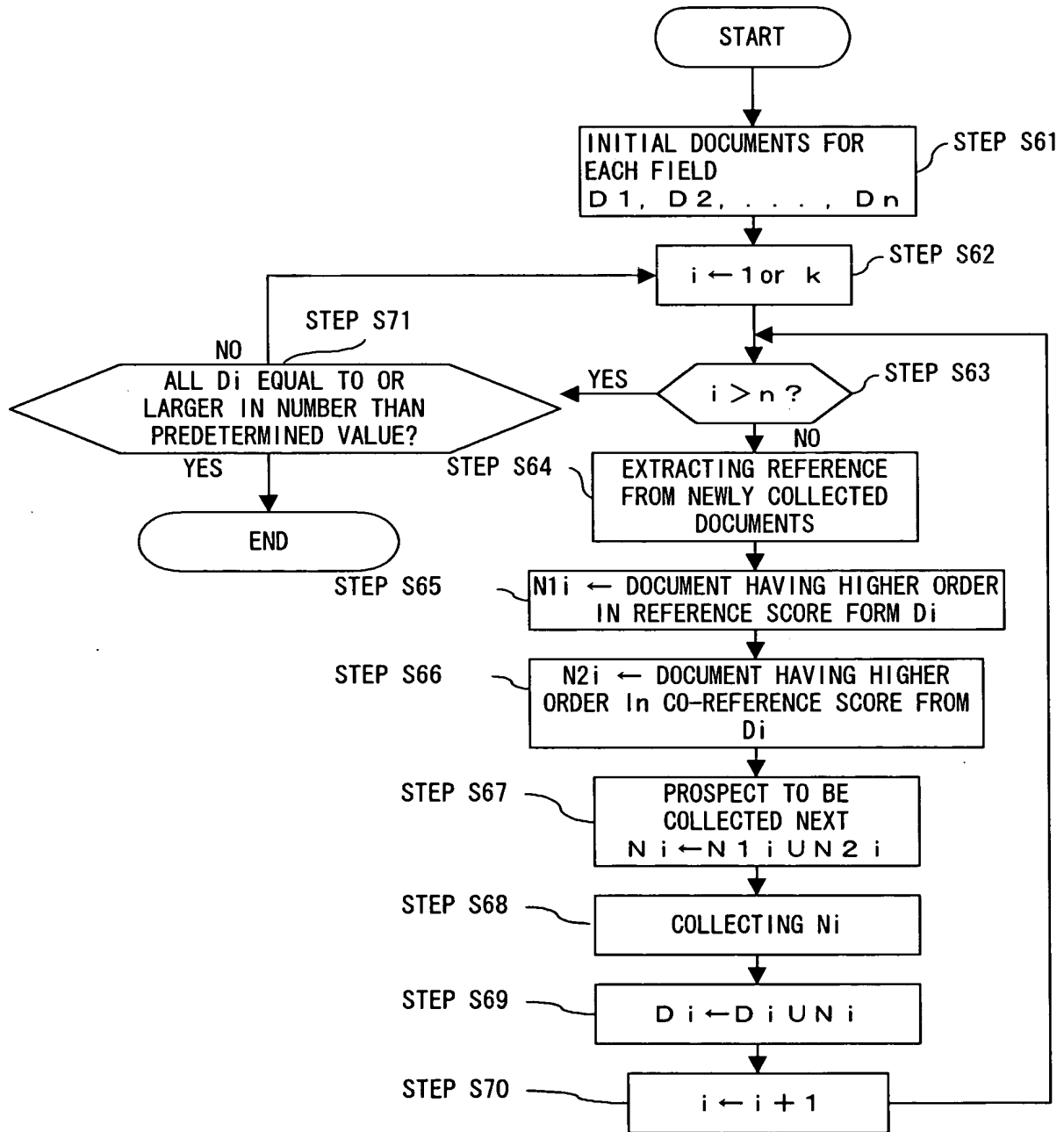
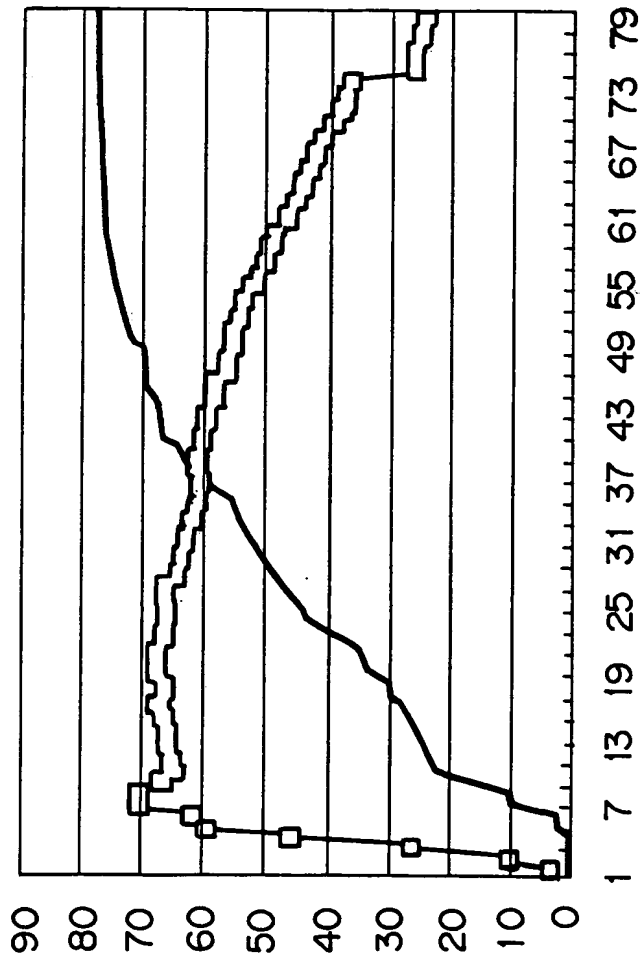


FIG. 19

precision/recall (PRECISION FACTOR / RECALL FACTOR)

LINUX (CV3. 150000 / 6.73 million)



loop (ITERATION FREQUENCY)

FIG. 20

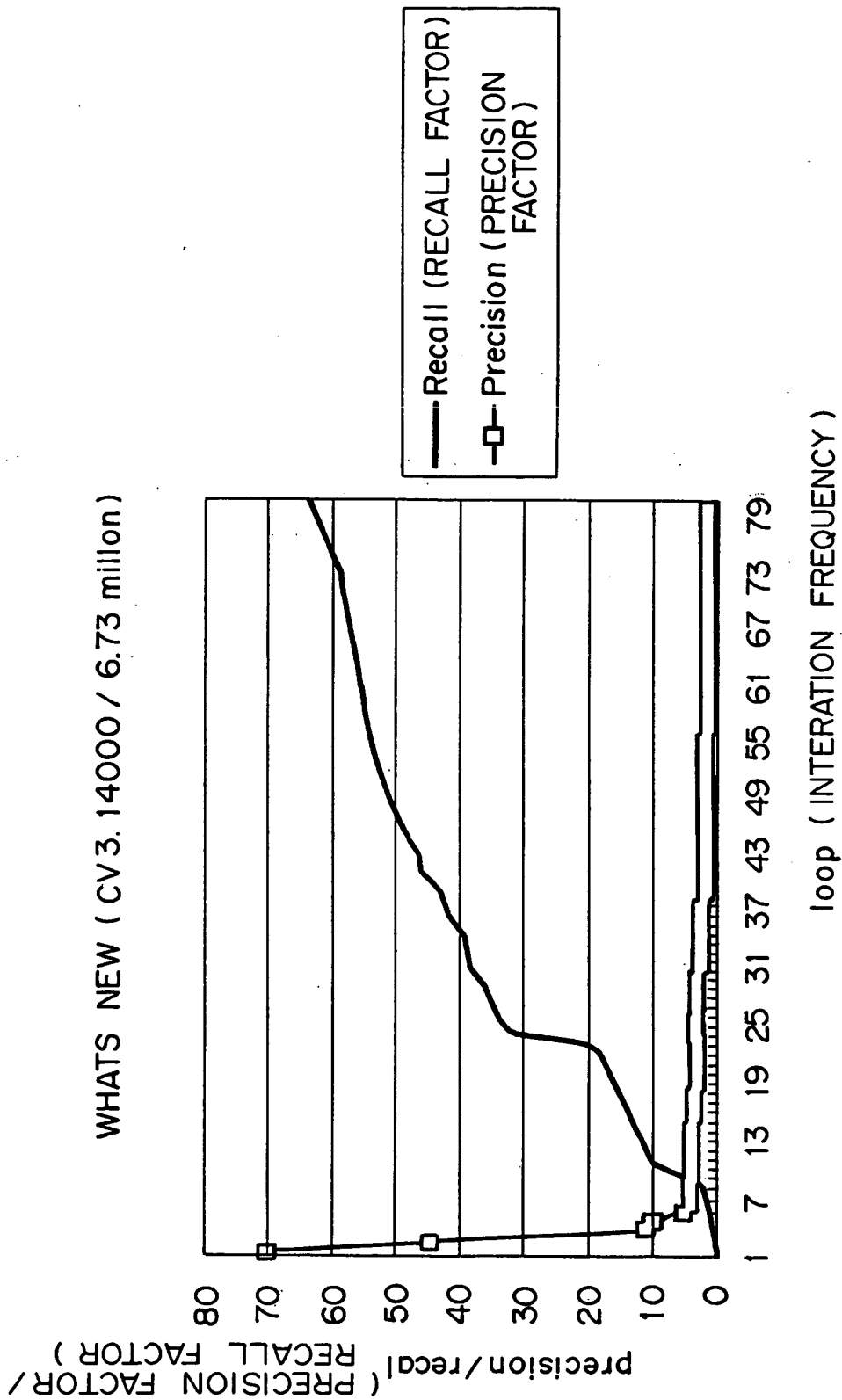


FIG. 21

09880070.061401

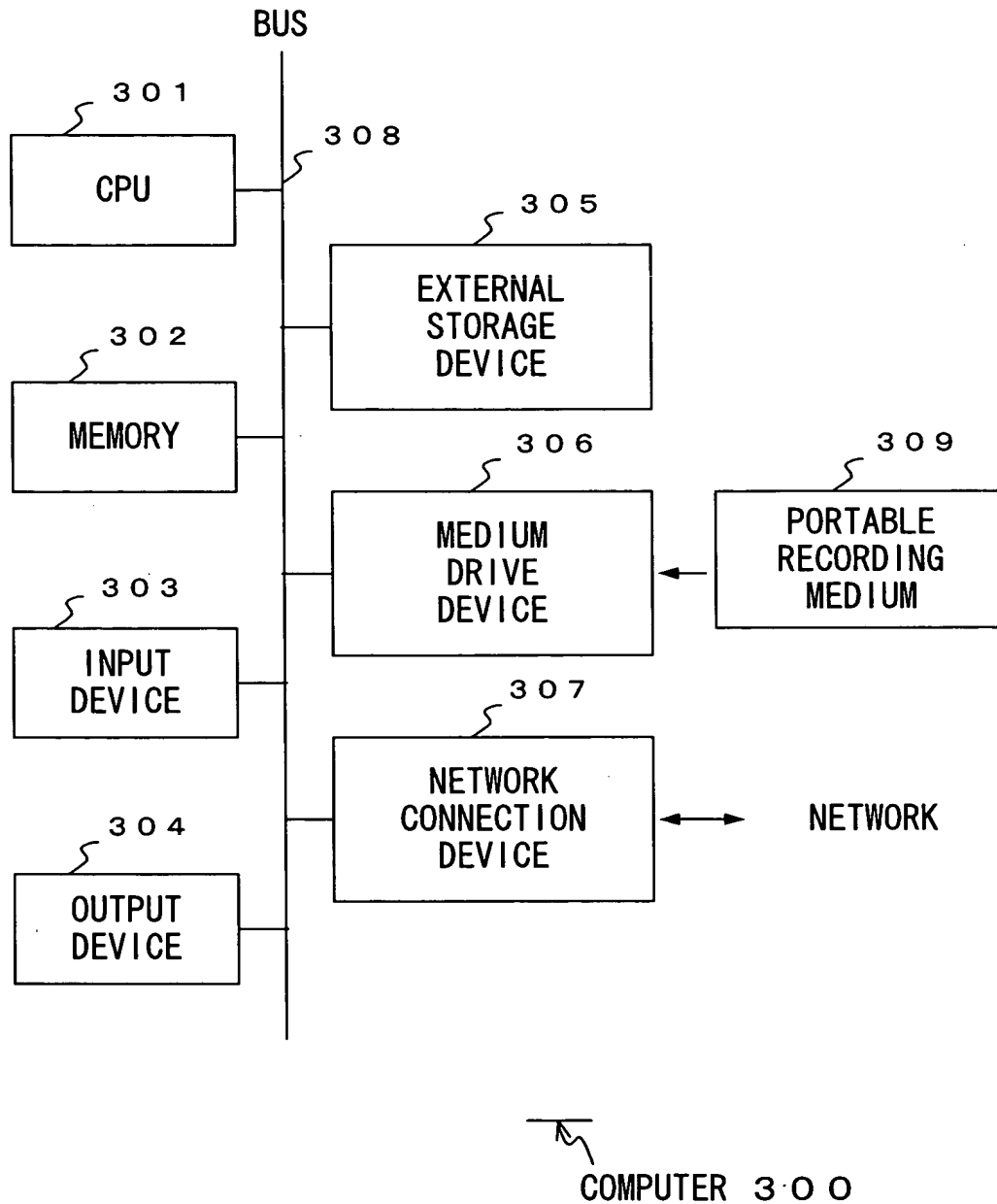


FIG. 22

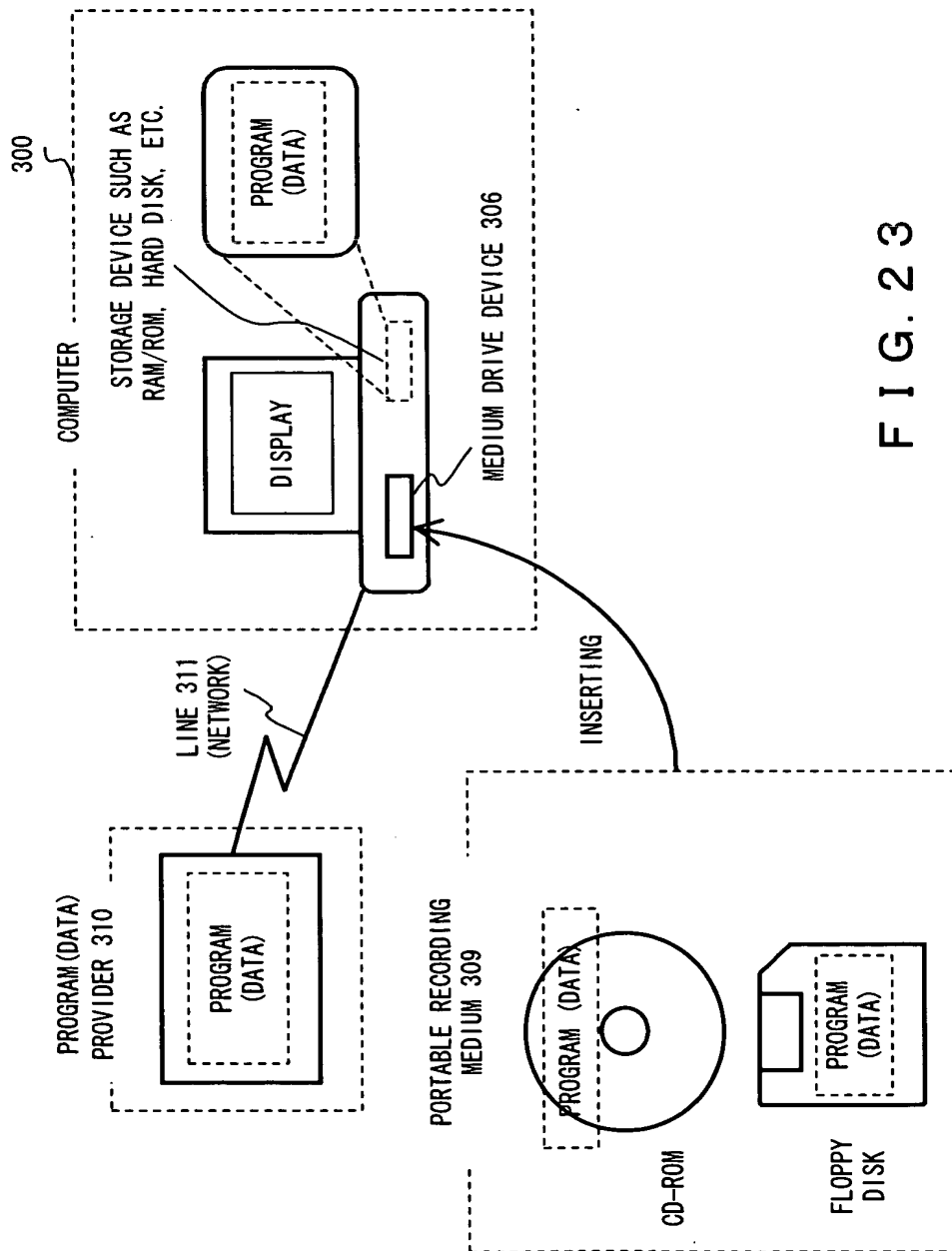


FIG. 23